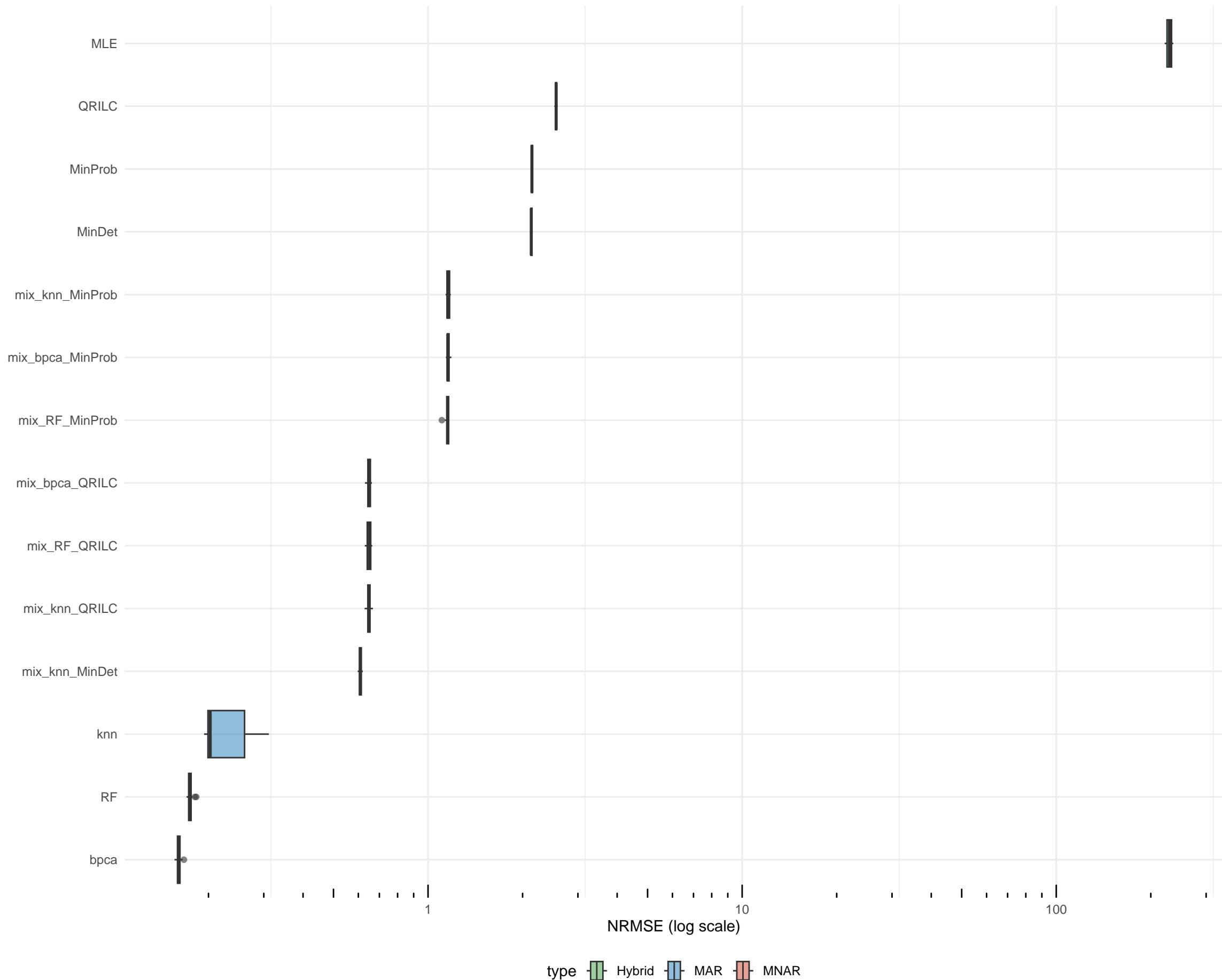
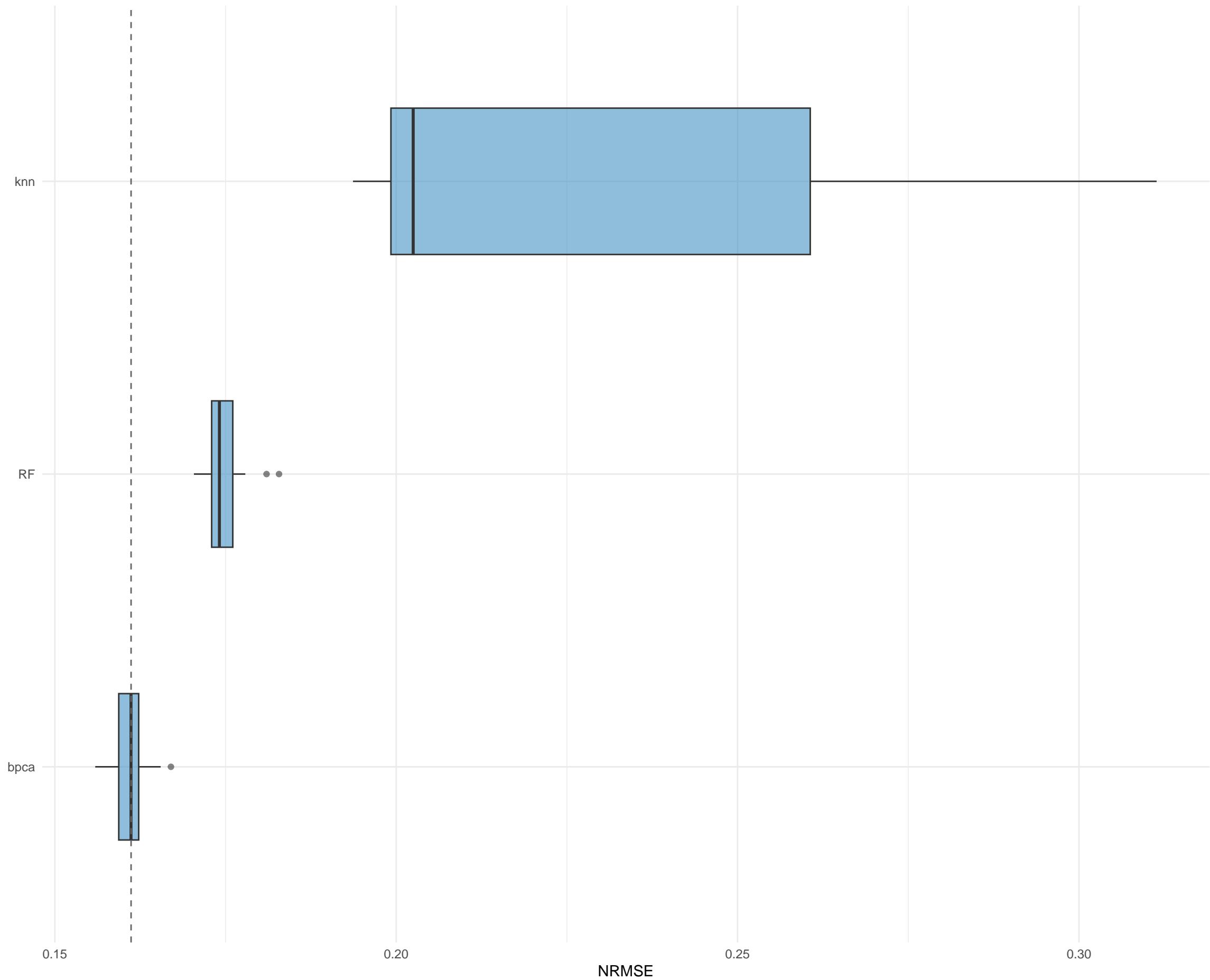


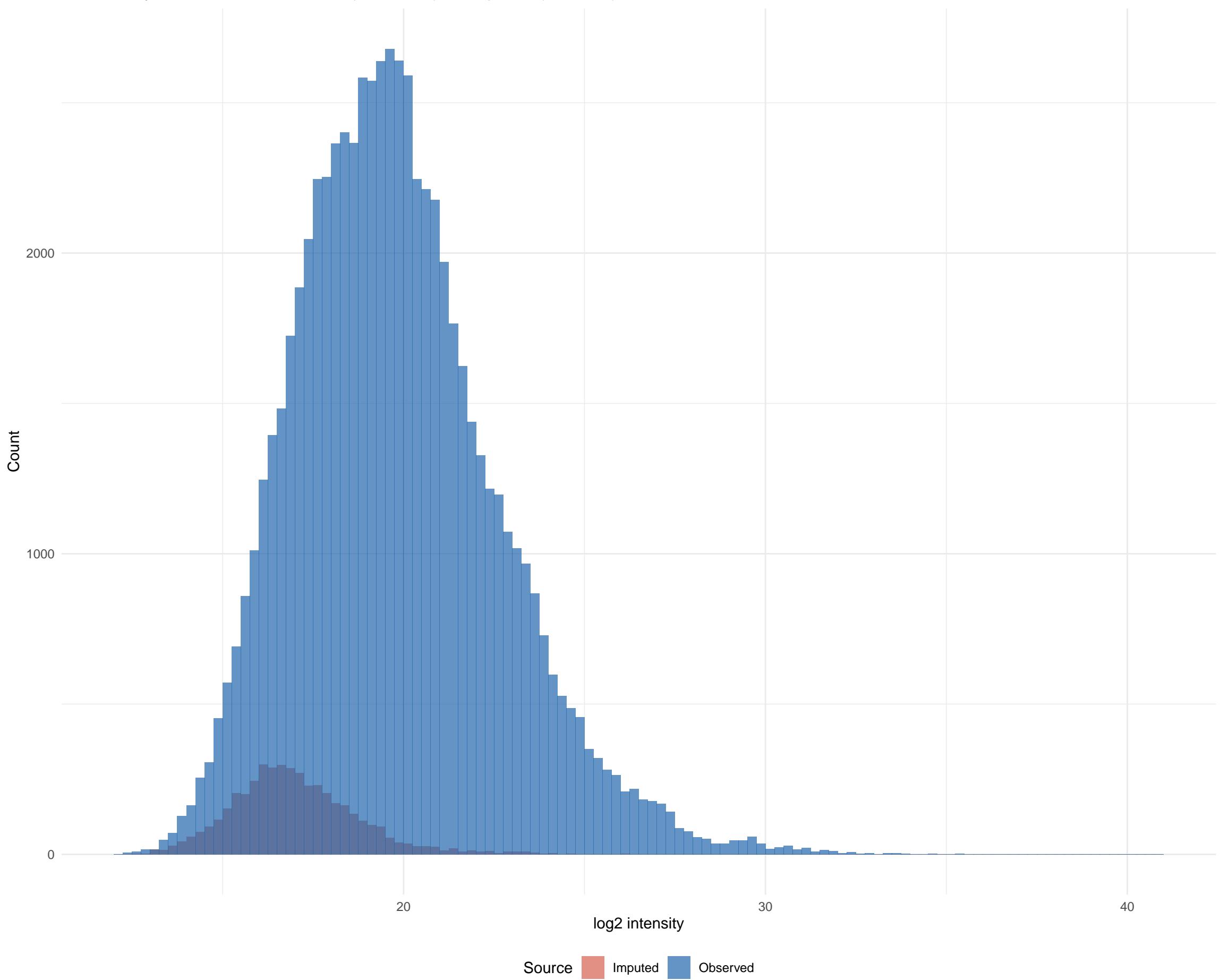
A: Benchmark (best: bPCA)



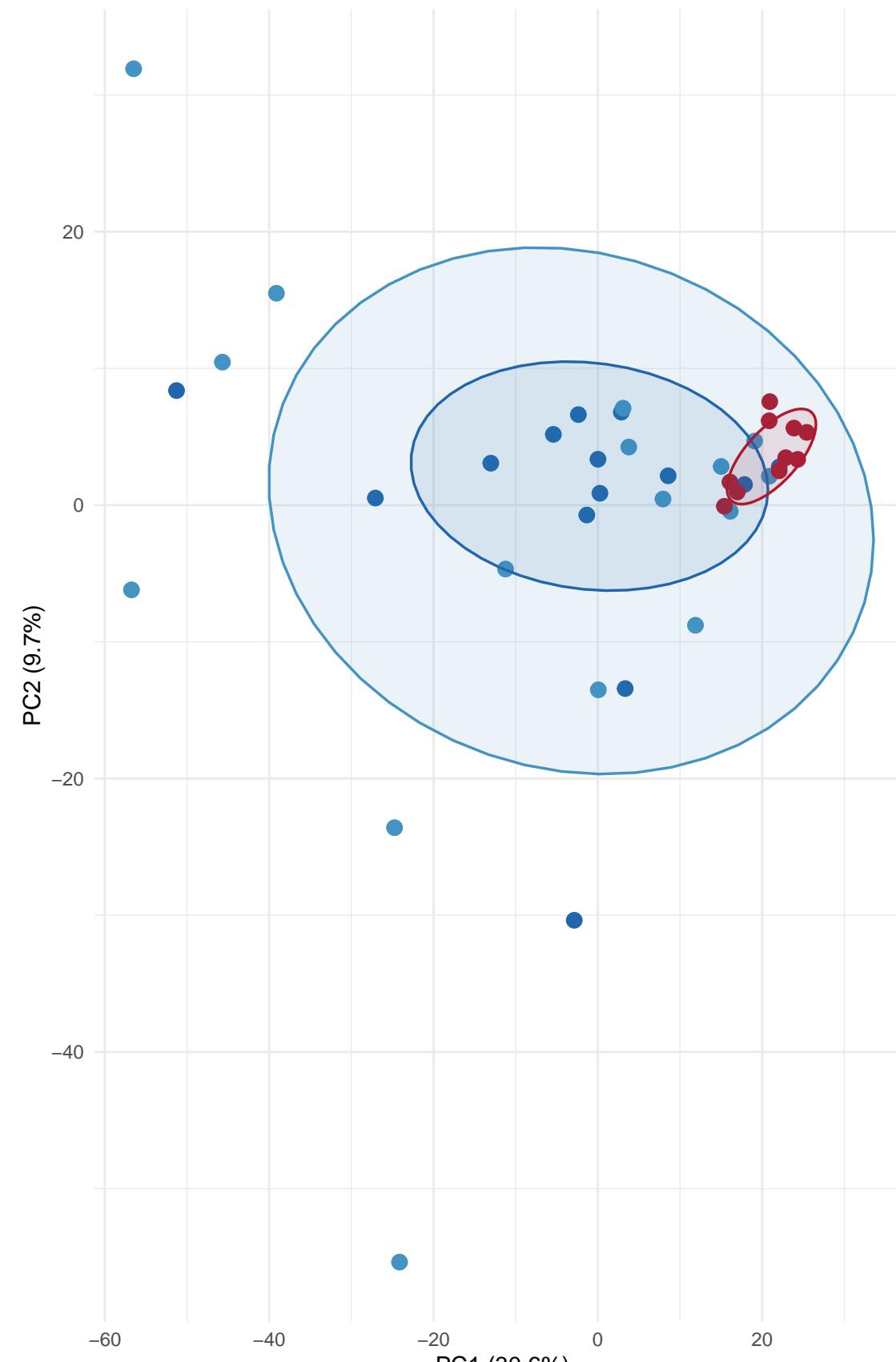
B: Top 3 – bPCA 0.1612 | RF 0.1747 | knn 0.2300



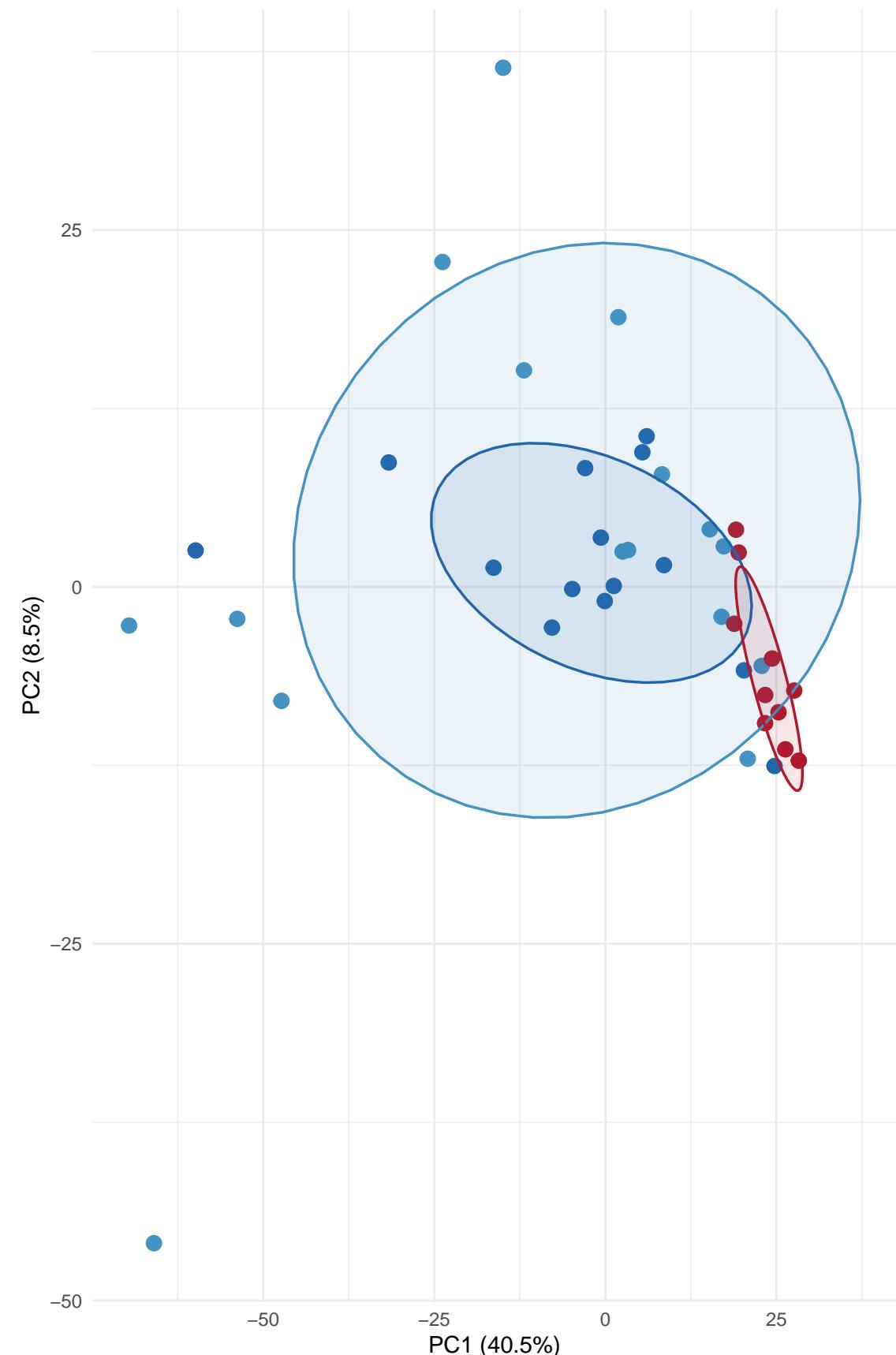
C: Intensity distribution – observed (n=68,680) vs imputed (n=4,480)



D: PCA pre-imputation (normalized, outlier-removed)



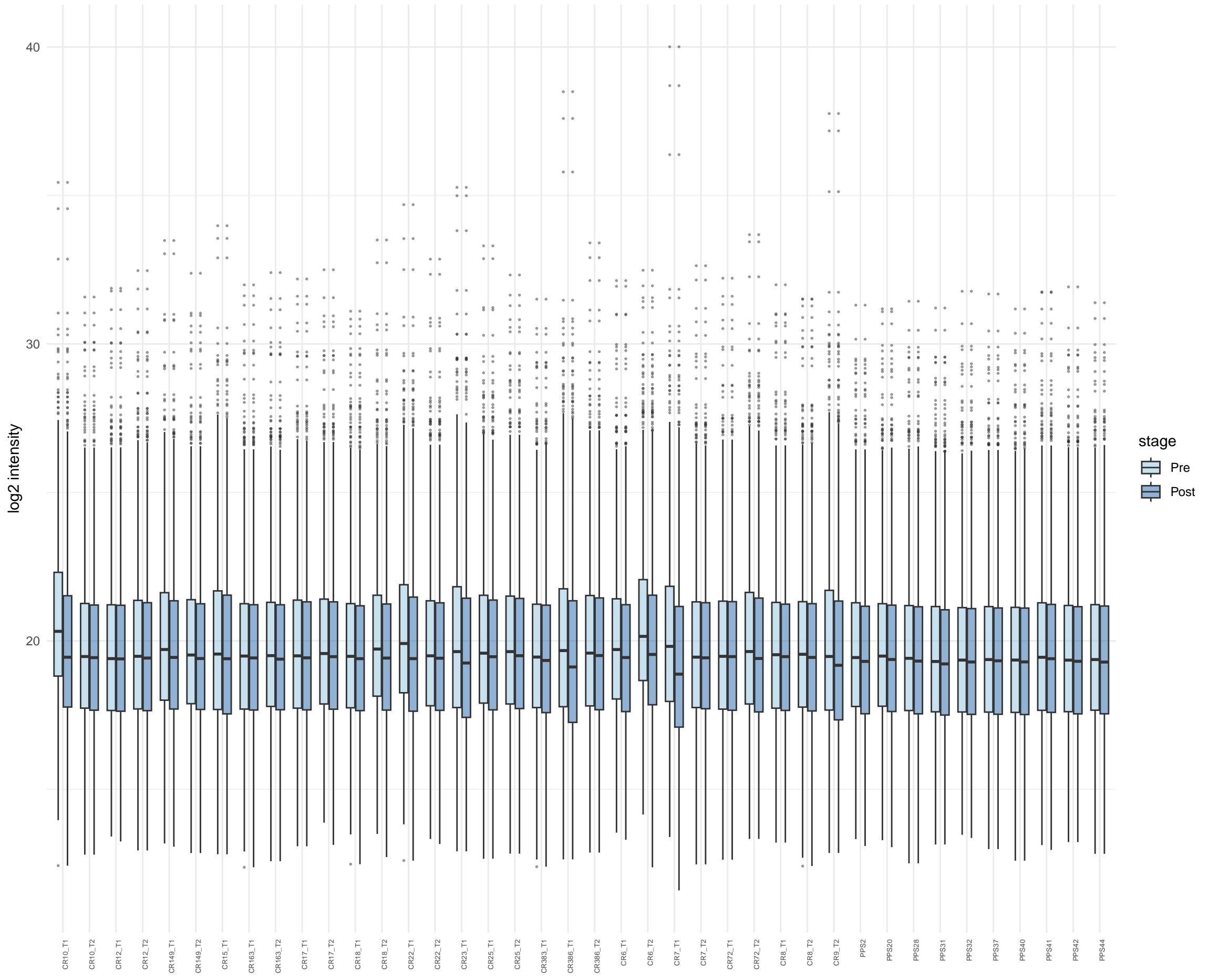
E: PCA post-imputation (bpca)



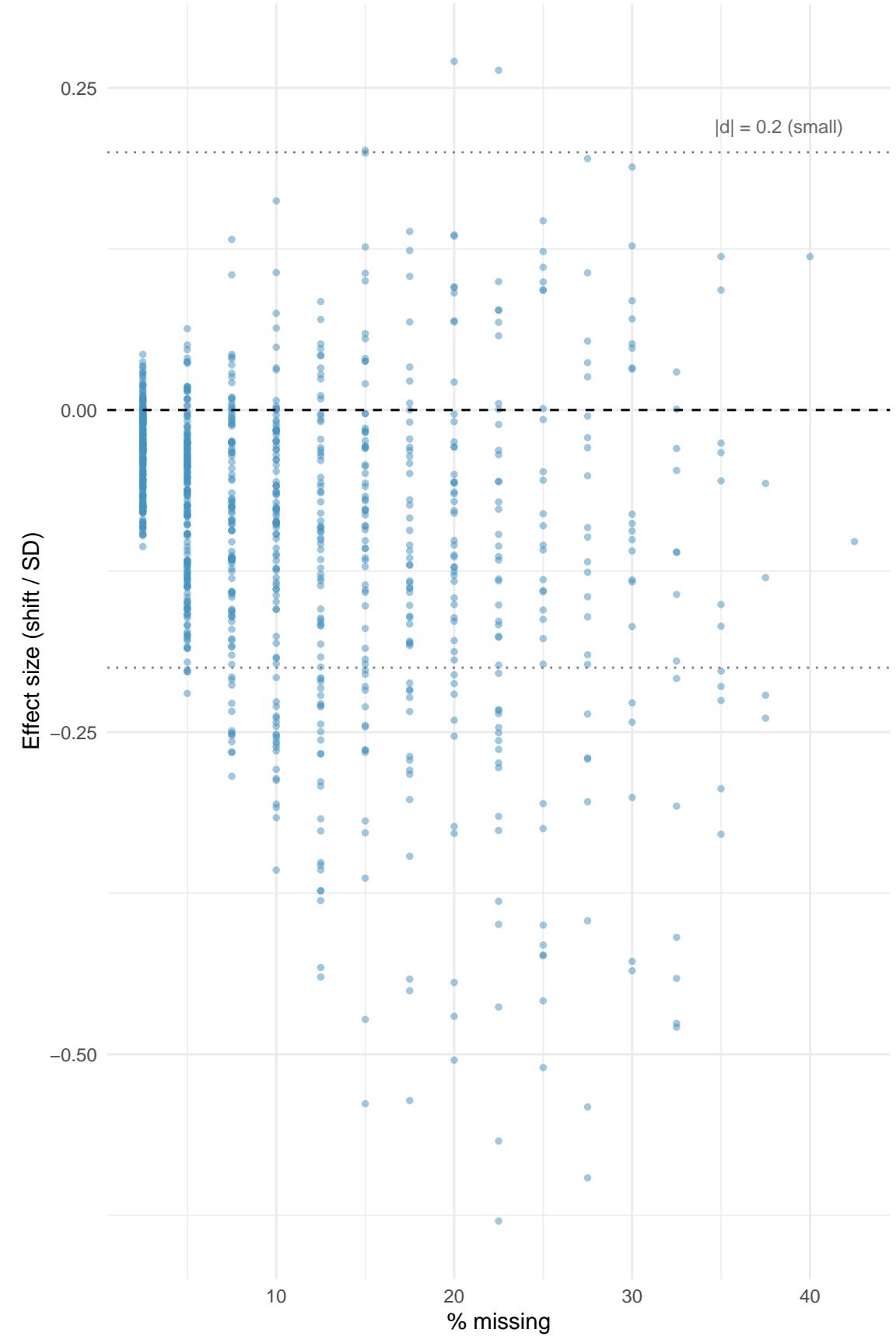
Group CR_T1 CR_T2 PPS_T1

Group CR_T1 CR_T2 PPS_T1

F: Per-sample log2 distributions (pre vs post imputation)



G: Imputation effect on protein means (Cohen's d)



H: Sample-level mean shift (identity line = no change)

